

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-22 (Canceled).

Claim 23 (Currently Amended): A process for controlling a photosensitive device including at least one photosensitive point with a photodiode connected to a switching element, comprising:

submitting the photosensitive point to successive imaging cycles~~[[,]]~~; and
producing between a first imaging cycle and a second imaging cycle, a holding phase terminating at a start of the second imaging cycle,
wherein, during ~~this~~ the holding phase, whose duration is equal to several equal time intervals ~~which are as short as possible~~, the photosensitive point is exposed to an optical flash at a start of each time interval and between successive optical flashes, the photodiode is reverse biased, the junction region between the photodiode and the switching element having substantially a same potential at an end of each time interval.

Claim 24 (Currently Amended): The control process as claimed in claim 23, wherein an imaging cycle comprises an imaging phase followed by a read phase of reading an amount of charge accumulated in the junction region during the imaging phase, the read phase being followed by an erasure and reinitialization phase, during which the photosensitive point is exposed to an optical erasure flux causing the photodiode to conduct in a forward direction, and the photodiode ~~to be~~ is reverse biased at an end of the erasure and reinitialization phase.

Claim 25 (Currently Amended): The control process as claimed in claim 24, wherein the imaging cycles are requested by an operator, and the control process further ~~comprising~~

comprises synchronizing the start of an imaging cycle with an end of the time interval during which the operator's request occurs.

Claim 26 (Currently Amended): The control process as claimed in claim 23, wherein the frequency of the optical flashes is synchronized with ~~that of a~~ mains frequency.

Claim 27 (Previously Presented): The control process as claimed in claim 23, further comprising applying a biasing pulse to the photosensitive point for an entire duration of the holding phase.

Claim 28 (Previously Presented): The control process as claimed in claim 24, further comprising, during the erasure and reinitialization phase, applying to the photosensitive point a biasing pulse starting before the end of the exposure to the optical erasure flux and continuing thereafter.

Claim 29 (Previously Presented): The control process as claimed in claim 28, wherein the biasing pulse of the erasure and reinitialization phase is continued during the holding phase.

Claim 30 (Previously Presented): The control process as claimed in claim 24, further comprising, during the erasure and reinitialization phase, before the exposure of the photosensitive point to the optical erasure flux, exposing the photosensitive point at least once to an optical pre-erasure flux causing the photodiode to conduct in the forward direction.

Claim 31 (Previously Presented): The control process as claimed in claim 30, wherein the exposure of the photosensitive point to the optical pre-erasure flux is followed by the reverse biasing of the photodiode, the reverse biasing of the photodiode occurring before exposure to the optical erasure flux.

Claim 32 (Previously Presented): The control process as claimed in claim 31, further comprising applying to the photosensitive point a biasing pulse starting after the end of the exposure to the optical pre-erasure flux and terminating before the start of the exposure to the optical erasure flux.

Claim 33 (Previously Presented): The control process as claimed in claim 23, further comprising starting the holding phase as quickly as possible after the end of the first imaging cycle.

Claim 34 (Previously Presented): The control process as claimed in claim 24, further comprising, during the read phase, applying to the photosensitive point a read pulse having a same sign as and an amplitude greater than or equal to the biasing pulse.

Claim 35 (Previously Presented): The control process as claimed in claim 23, wherein the switching element is a diode.

Claim 36 (Previously Presented): The control process as claimed in claim 23, wherein the switching element is a transistor.

Claim 37 (Currently Amended): The control process as claimed in claim 23, wherein

the photosensitive point is produced on a first face of a substrate transparent to light, and the control process further ~~comprising~~ comprises applying the optical flashes to the photosensitive point through the transparent substrate.

Claim 38 (Previously Presented): The control process as claimed in claim 24, further comprising using a same source to deliver the optical flashes and the optical erasure flux.

Claim 39 (Currently Amended): A photosensitive device implementing the control process as claimed in claim 26, comprising:

at least one photosensitive point with a photodiode connected to a switching element[[,]];

means for exposing the photosensitive point to a series of periodic optical flashes[[,]]; and

means ~~to~~ for reverse bias biasing of the photodiode at an end of an optical flash so that ~~it is~~ the photodiode in a receptive state from a start of a second imaging cycle.

Claim 40 (Currently Amended): The device as claimed in claim 39, wherein the means ~~to~~ for reverse bias biasing of the photodiode is configured to apply to the photosensitive point a biasing pulse during the exposure to the series of optical flashes.

Claim 41 (Previously Presented): The device as claimed in claim 39, wherein the switching element is a diode.

Claim 42 (Previously Presented): The device as claimed in claim 39, wherein the switching element is a transistor.

Claim 43 (Currently Amended): The device as claimed in claim 39, wherein the photosensitive point is produced on a first face of a substrate transparent to light and the device further comprising comprises a source for delivering configured to deliver the optical flashes, placed on the second face of the substrate.

Claim 44 (Currently Amended): The photosensitive device as claimed in claim 39, further comprising a scintillator ~~converting~~ configured to convert X-ray radiation incident on taking the image into optical radiation, the photodiode being sensitive to the optical radiation.